Subject: my favourite part....
Posted by PakProtector on Sun, 30 Oct 2005 20:50:56 GMT
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Hey-Hey!!!,You mnention the 300B grid requiring a max of 0,5 mA. This is all very well and good. No issues with the math. The critical thing is to look at what delivering that current from a non-zero output Z would be. If we take a 5687, with its output Z of ~3k, that 0,5 ma is going to create a 1.5V drop across it. Not a large fraction indeed. Take a 6SN7 with an unbiased cathode R of 1k, and plate Z becomes R_p + (u+1)R_k. If we take R_p of 7k, and u to be 17, we are goig to wind up with an output Z of 7k + 18k or 25kOhm...with 0,5 mA, this drops 12,5 V....a lot more than our 5687 example.cheers,Douglas